

FIG. 1

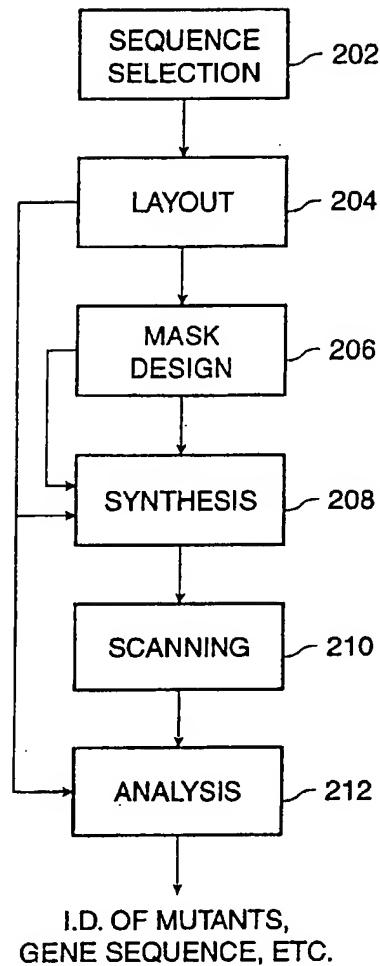


FIG. 2A

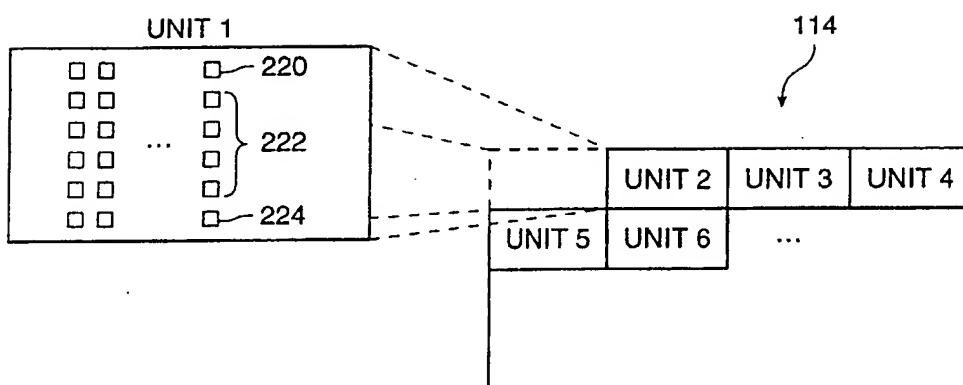


FIG. 2B

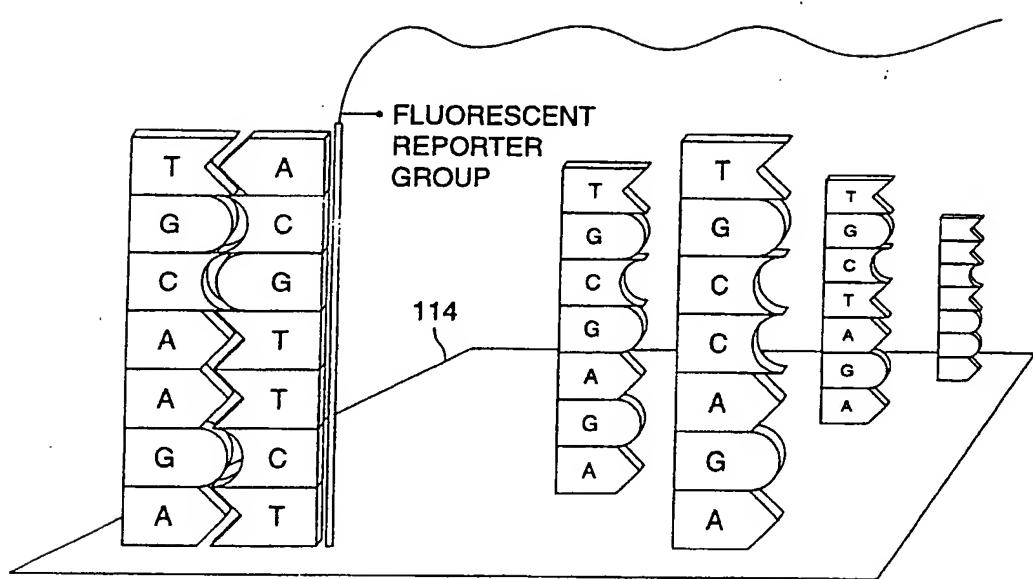


FIG. 2C

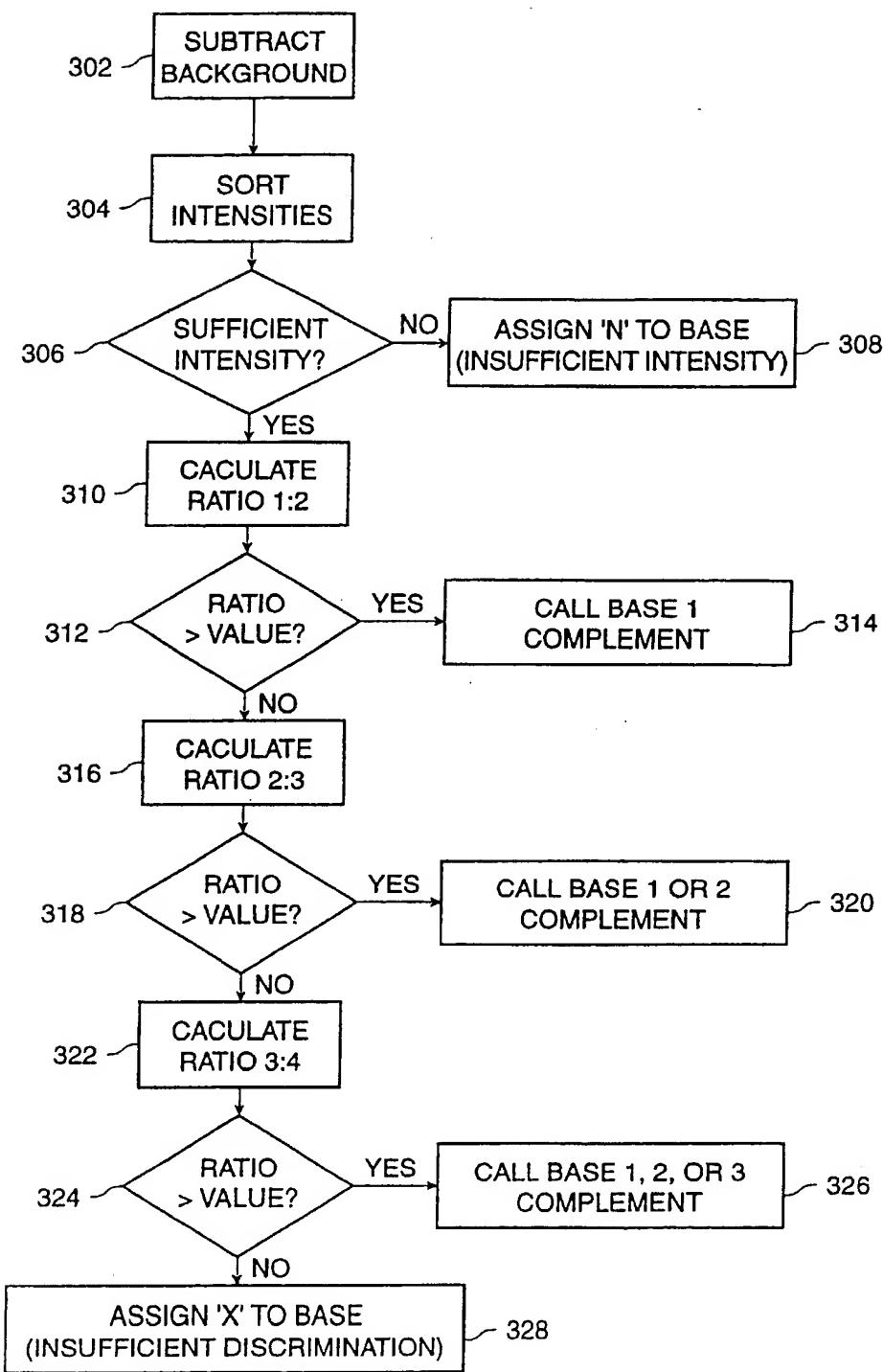


FIG. 3

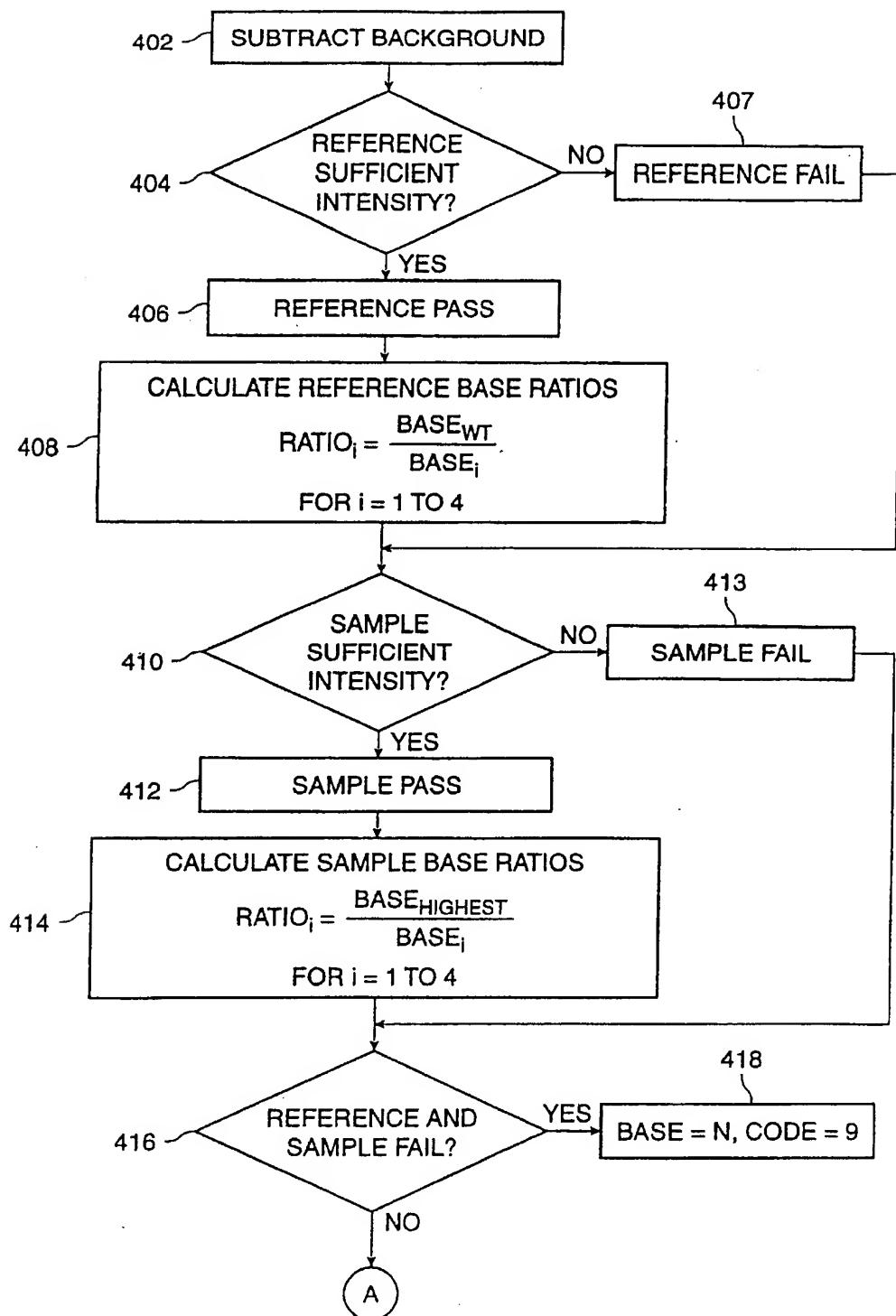
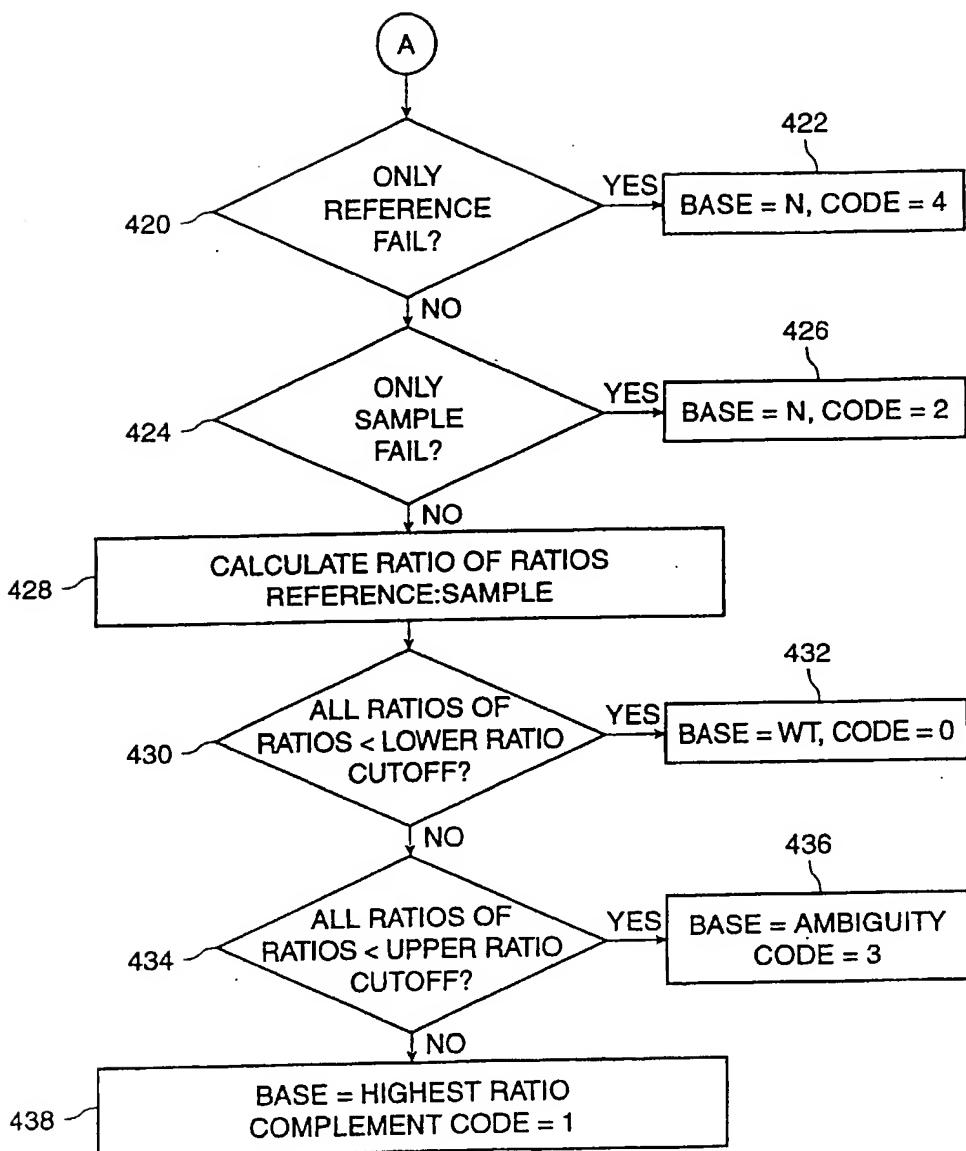


FIG. 4A



*FIG. 4A
(CONTINUED)*

POSITION	WT	REFERENCE				SAMPLE				RATIO OF RATIOS							
		BACK-GROUND	A	C	G	T	BACK-GROUND	A	C	G	T	A/A	C/C	G/G	T/T	BASE	CONFIDENCE
463	C	P	7.2	9.9	1.0	5.6	P	6.4	2.3	1.0	14.5	1.1	4.3	1.0	0.4	G	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

FIG. 4B

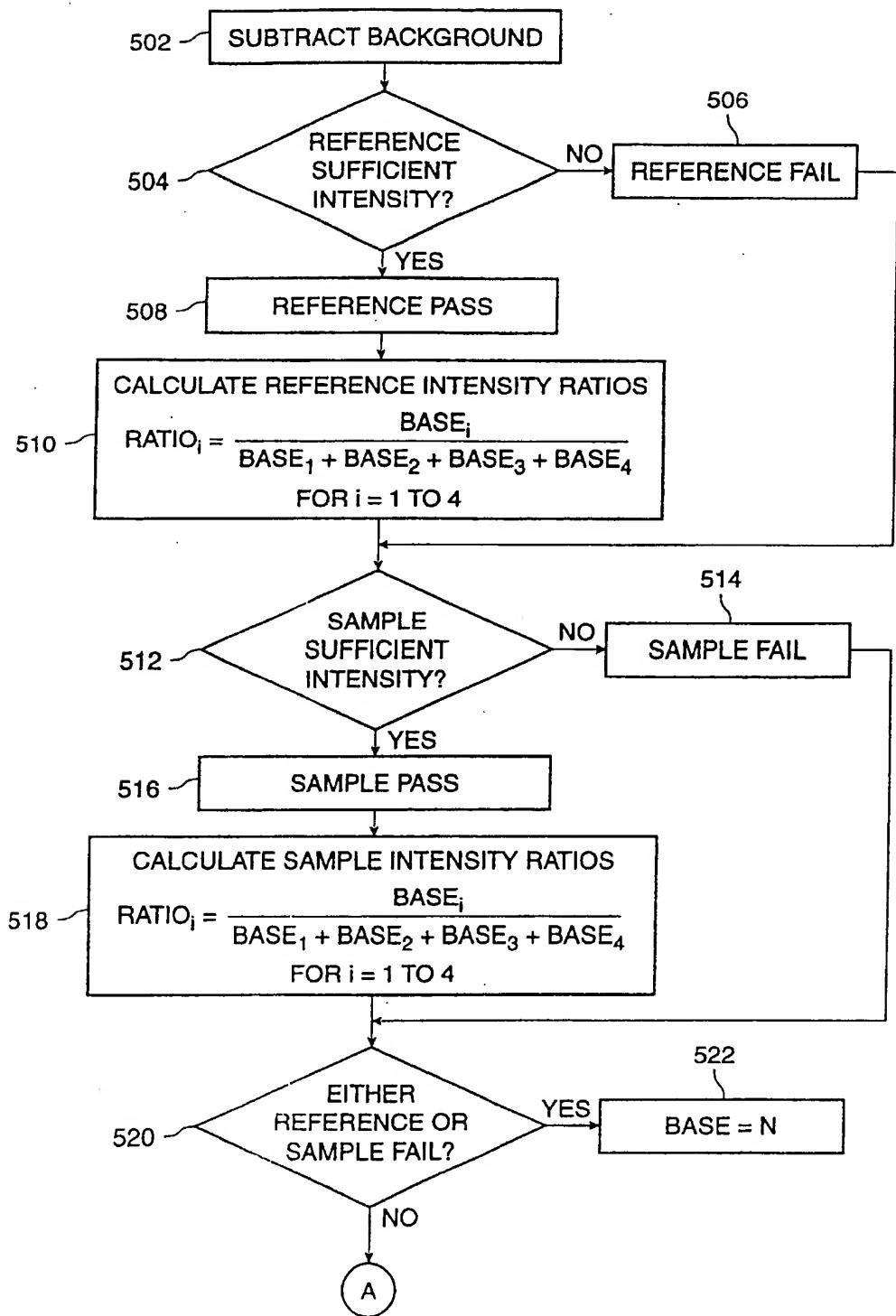


FIG. 5A

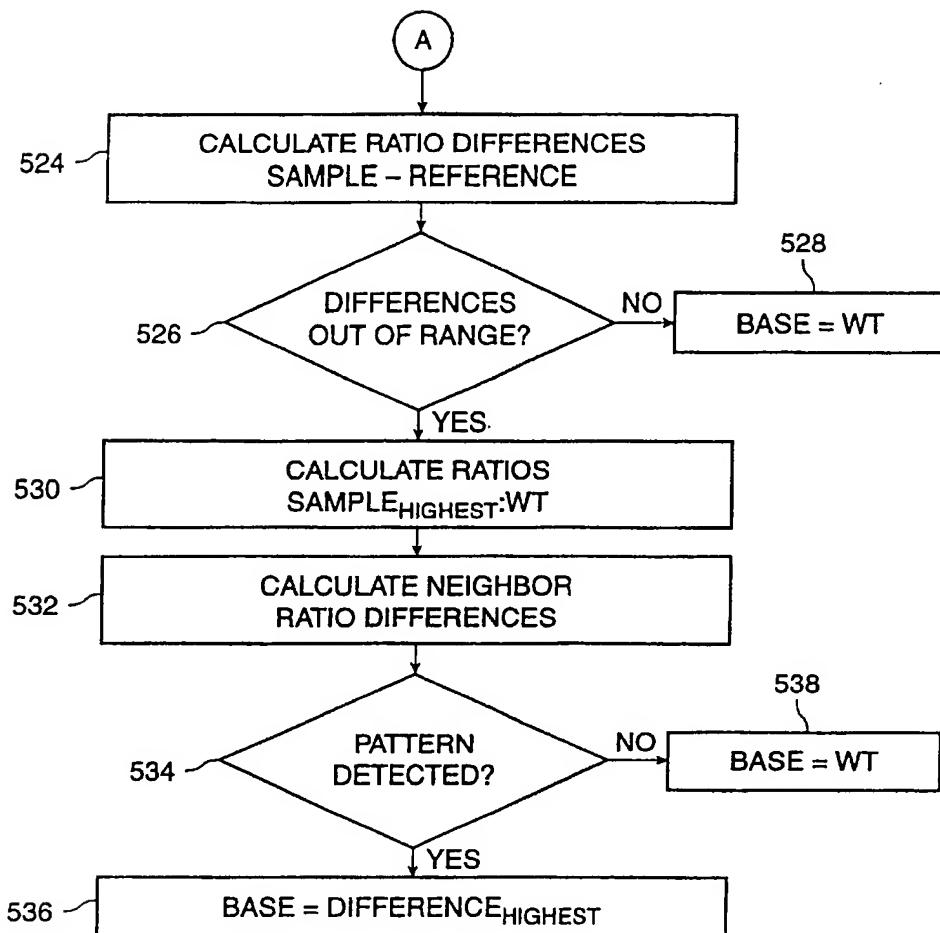


FIG. 5A
(CONTINUED)

BCK SUBTRACTED INTENSITIES									
RY090203.CQ1	-7	-6	-5	-4	-3	-2	-1	0	1
POSITION:	234	235	236	237	238	239	240	241	242
WILDTYPE:	A	A	C	C	C	A	A	T	C
CALLED:	A	A	C	C	C	A	A	T	C
A	148	193	165	17	70	38	282	385	97
C	57	100	42	167	345	278	38	99	139
G	26	32	20	16	64	17	27	107	100
T	9	15	10	6	41	14	27	79	261
S	240	340	238	207	522	347	374	671	598
WTR	148	193	165	167	345	278	282	385	261
MAXR	148	193	165	167	345	278	282	385	261
MO90407.CQ1									
POSITION:	234	235	236	237	238	239	240	241	242
WILDTYPE:	A	A	C	C	C	A	A	T	C
CALLED:	M	M	A	C	X	C	X	C	C
A	194	238	150	44	191	126	283	332	234
C	209	291	74	202	337	277	74	199	175
G	92	72	34	29	114	52	65	571	231
T	25	39	16	11	96	29	68	205	267
S	520	639	274	286	738	484	489	1307	906
WTE	194	238	150	202	337	277	283	332	267
MAXE	194	238	150	202	337	277	283	332	267

F/G. 5B

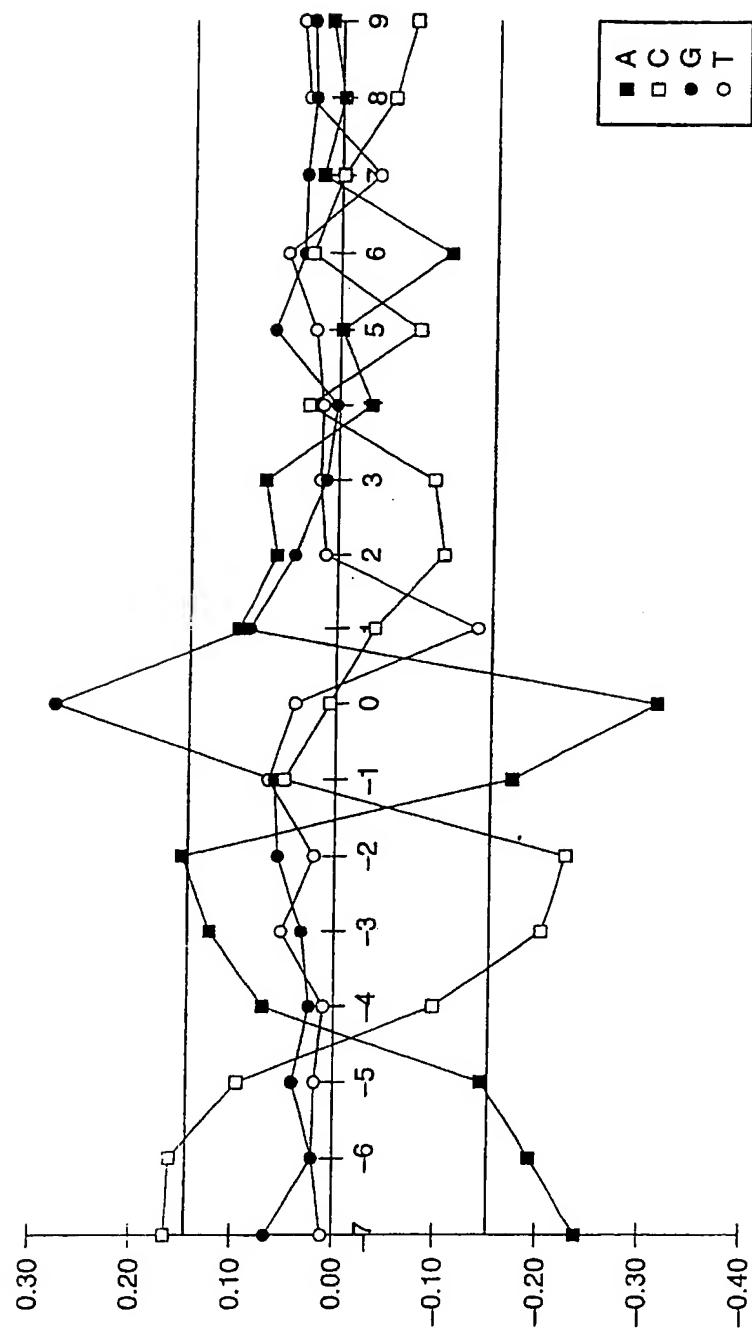
WT E/WTR	1.31	1.23	0.91	1.21	0.98	1.00	0.86	1.02	1.04	1.15	1.54	1.54	1.51	1.34	1.30	1.66	
MAXE/WTR	1.42	1.51	0.91	1.21	0.98	1.00	1.48	1.02	1.04	1.15	1.54	1.54	1.51	1.34	1.30	1.66	
N-L + N-R	0.79	-0.63	0.54	-0.25	0.01	0.14	0.94	0.14	0.10	0.27	0.38	0.04	0.14	-0.13	-0.40	530	
N-L	0.09	-0.60	0.30	-0.24	0.02	0.01	0.48	-0.46	0.02	0.11	0.38	0.01	0.04	-0.17	-0.04	532	
N-R	0.60	-0.30	0.24	-0.02	-0.01	0.48	0.46	-0.02	-0.11	-0.38	-0.01	0.04	0.17	0.04	-0.36		
N-L D(N-R)	-0.90	0.54	-0.25	0.01	0.48	0.94	0.48	0.10	0.27	0.38	0.04	0.14	0.14	-0.13			
N-R D(N-L)	-0.90	0.54	-0.25	0.01	0.48	0.94	-0.48	0.10	0.27	0.38	0.04	0.14	0.14	-0.13			
L(N-L) - (N-R)L	0.29	0.07	0.22	0.02	0.49	0.02	0.44	0.13	0.50	0.39	0.03	0.21	0.21				
A+B-C	-2.10	1.01	-0.73	0.00	-1.44	1.86	-1.40	-0.33	-1.03	0.36	0.06	0.06	0.48				
SUM MT/ SUM WT																	
INTENSITIES	2.16	1.88	1.15	1.39	1.41	1.39	1.31	1.95	1.52	1.20	1.30	1.60	1.71	1.78	1.50	1.45	1.63
N/L + N/R	2.50	1.45	2.18	2.04	2.05	1.61	2.77	2.04	1.71	1.89	2.18	2.03	2.22	1.88	1.85		
N-L + N-R	0.22	-0.48	0.10	0.02	0.03	-0.36	0.54	0.06	-0.21	-0.10	0.10	0.02	0.17	-0.11	-0.12		
N-L	-0.28	-0.73	0.21	0.03	-0.02	-0.09	0.54	0.43	-0.32	0.10	0.30	0.10	0.07	-0.27	-0.06		
N-R	0.73	-0.23	-0.03	0.02	0.09	-0.64	0.43	0.32	0.10	0.30	0.10	0.07	0.27	0.06	-0.18		

FIG. 5B
(CONTINUED)

NORMALIZED INTENSITIES																	
WILDTYPE																	
A	0.61	0.57	0.70	0.08	0.13	0.11	0.75	0.57	0.16	0.10	0.07	0.87	0.06	0.75	0.20	0.26	0.37
C	0.24	0.29	0.18	0.81	0.66	0.80	0.10	0.15	0.23	0.83	0.90	0.07	0.88	0.09	0.29	0.51	0.42
G	0.11	0.09	0.08	0.08	0.12	0.05	0.07	0.16	0.17	0.04	0.03	0.06	0.04	0.10	0.16	0.12	0.13
T	0.04	0.04	0.04	0.03	0.08	0.04	0.07	0.12	0.44	0.02	0.01	0.01	0.03	0.05	0.36	0.11	0.09
MUTANT																	
A	0.37	0.37	0.55	0.15	0.26	0.26	0.58	0.25	0.26	0.16	0.16	0.83	0.05	0.64	0.21	0.26	0.37
C	0.40	0.45	0.27	0.71	0.46	0.57	0.15	0.15	0.19	0.72	0.80	0.09	0.80	0.12	0.28	0.46	0.34
G	0.18	0.11	0.12	0.10	0.15	0.11	0.13	0.44	0.25	0.08	0.05	0.06	0.10	0.13	0.19	0.15	0.16
T	0.05	0.06	0.06	0.04	0.13	0.06	0.14	0.16	0.29	0.03	0.02	0.02	0.05	0.11	0.32	0.14	0.12
MT - MT (NORMALIZED INTENSITIES)																	
POSITION:	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
WILDTYPE:	A	A	A	C	C	C	A	A	T	C	C	A	C	A	T	C	A
CALLED:	M	M	A	C	X	C	A	X	C	C	C	A	C	A	X	X	M
A	0.24	-0.20	-0.15	0.07	0.12	0.15	-0.18	-0.32	0.09	0.06	0.07	-0.04	0.00	-0.11	0.01	0.00	0.01
C	0.17	0.16	0.09	-0.10	-0.20	-0.23	0.05	0.00	-0.04	-0.11	-0.10	0.03	-0.08	0.03	-0.01	0.05	-0.07
G	0.07	0.02	0.04	0.02	0.03	0.03	0.03	0.28	0.09	0.04	0.01	0.00	0.06	0.03	0.03	0.03	0.03
T	0.01	0.02	0.02	0.01	0.05	0.02	0.07	0.07	0.04	-0.14	0.01	0.01	0.02	0.05	-0.04	0.03	0.04

FIG. 5B
(CONTINUED)

FIG. 5C



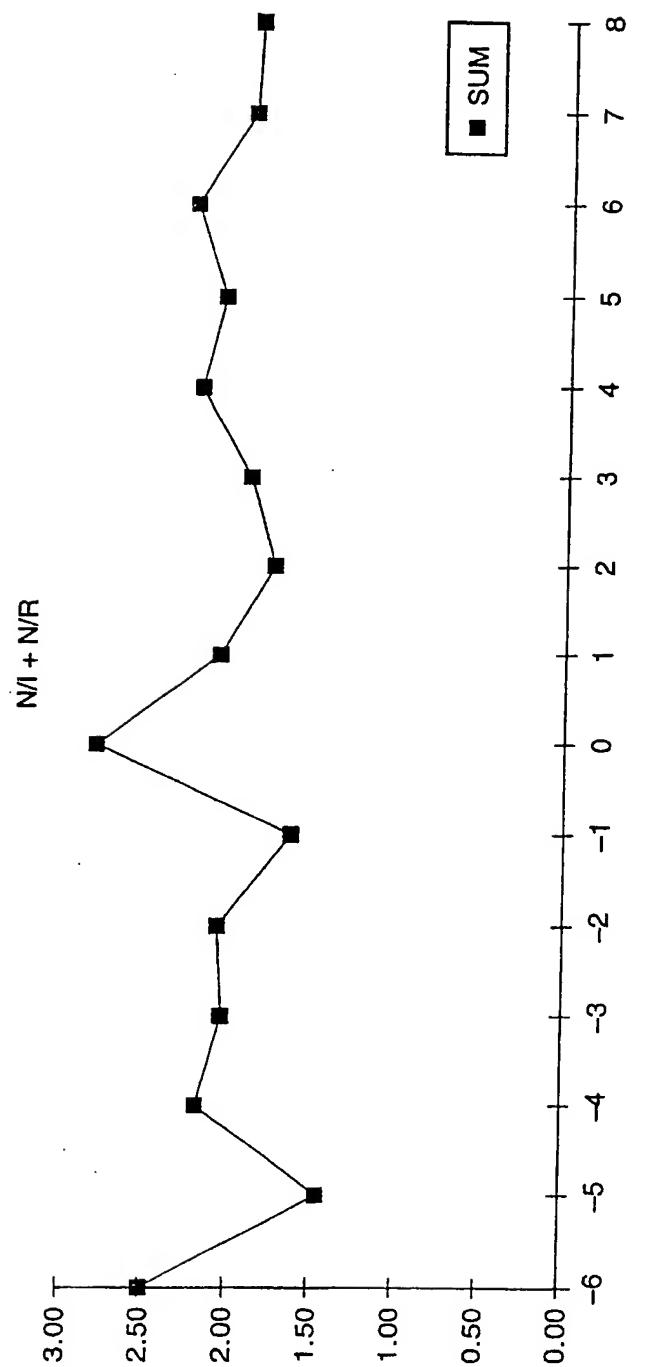


FIG. 5D

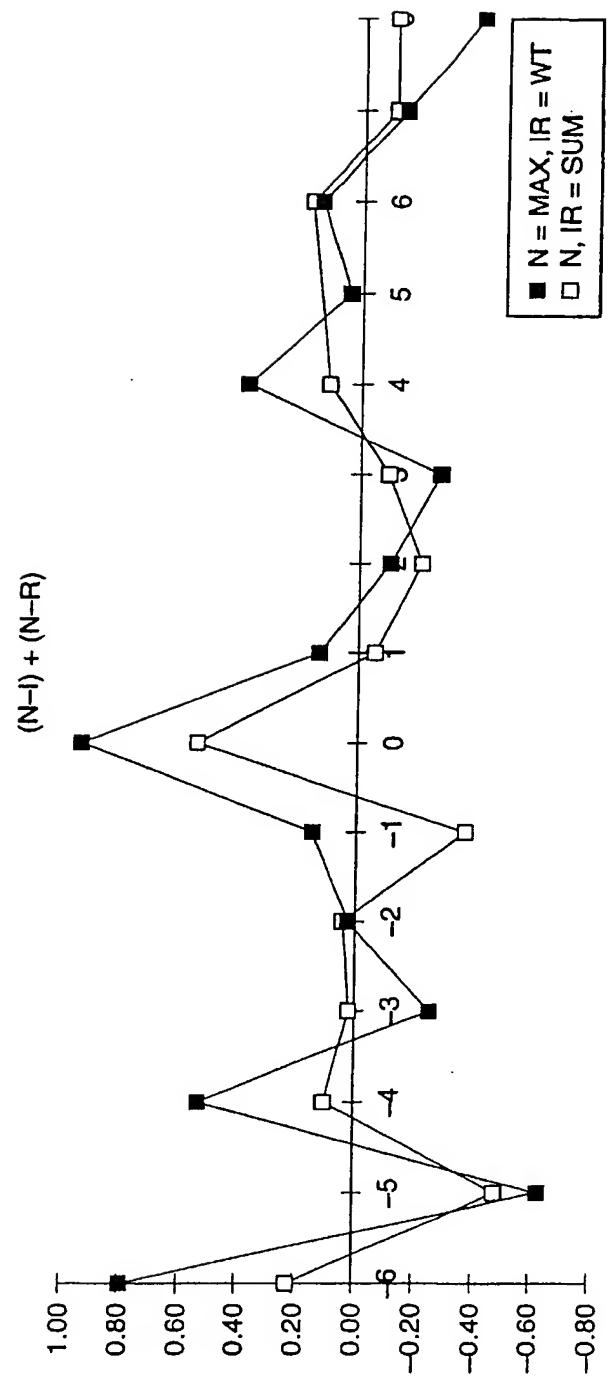


FIG. 5D
(CONTINUED)

FIG. 5D
(CONTINUED)

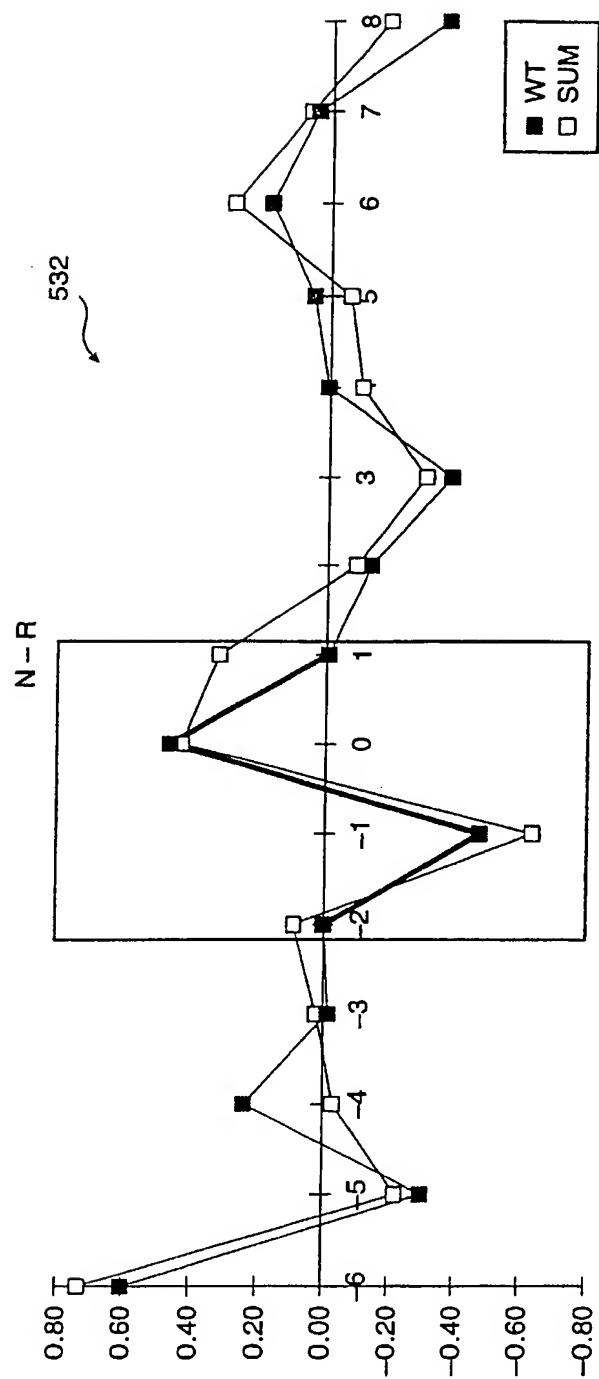
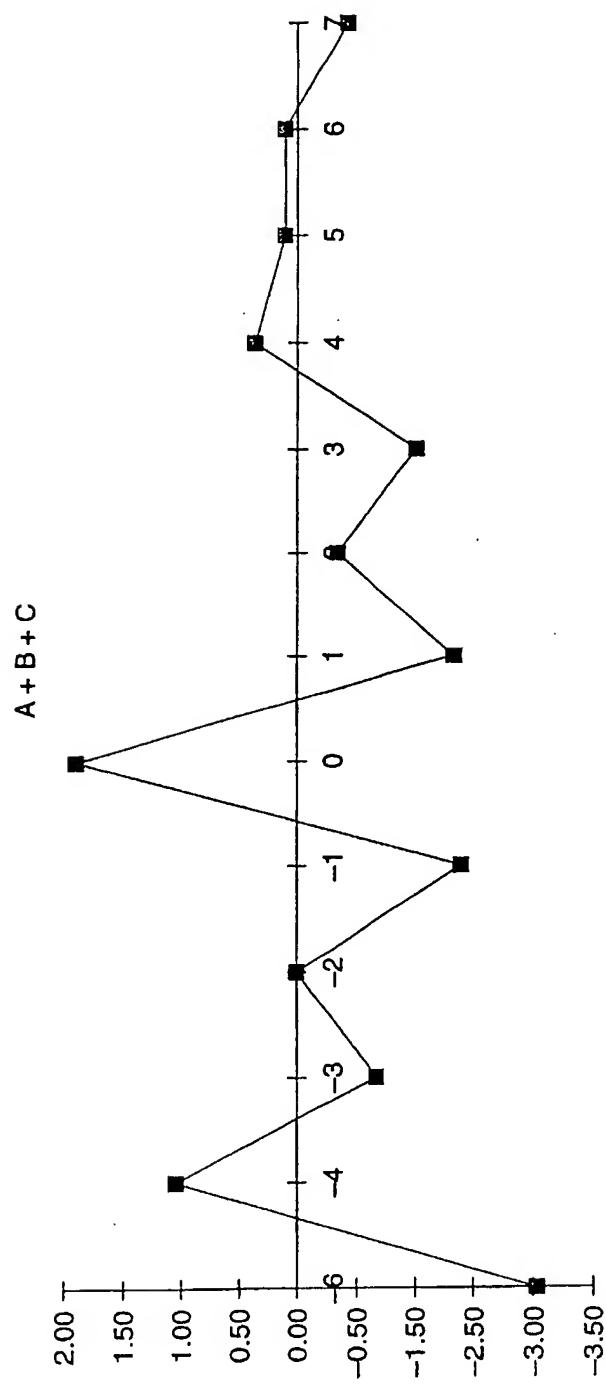


FIG. 5D
(CONTINUED)



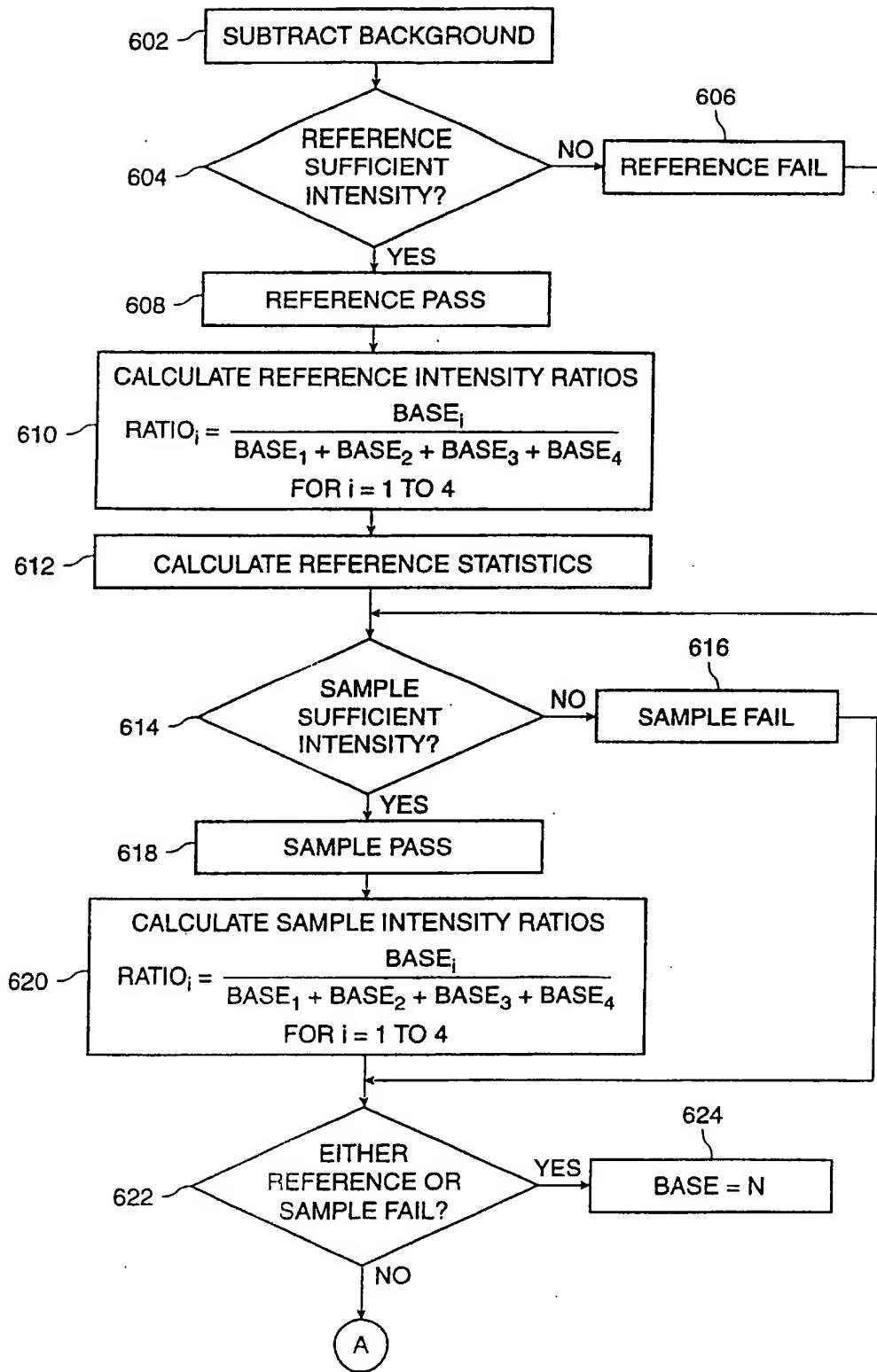


FIG. 6

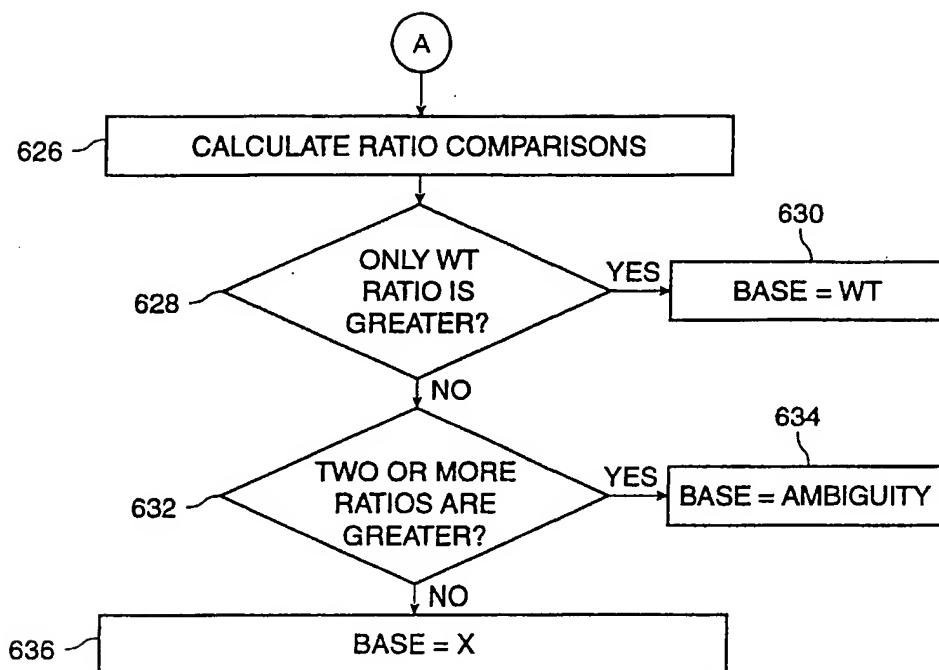


FIG. 6
(CONTINUED)

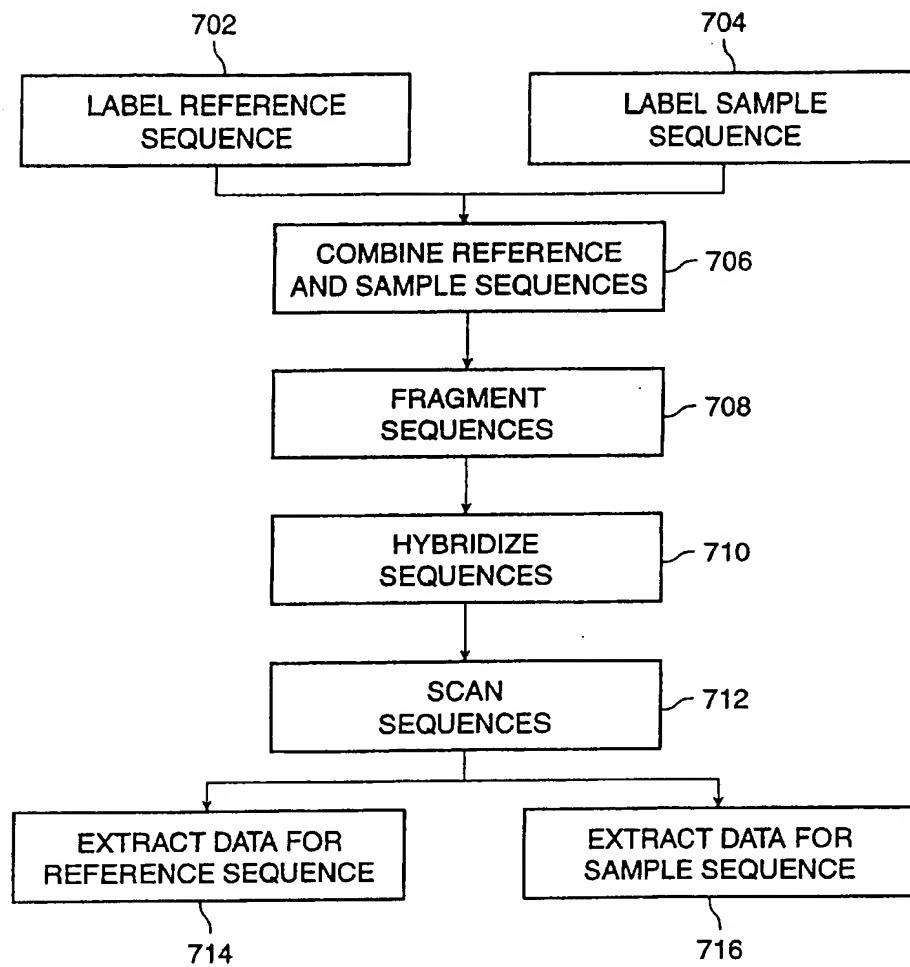
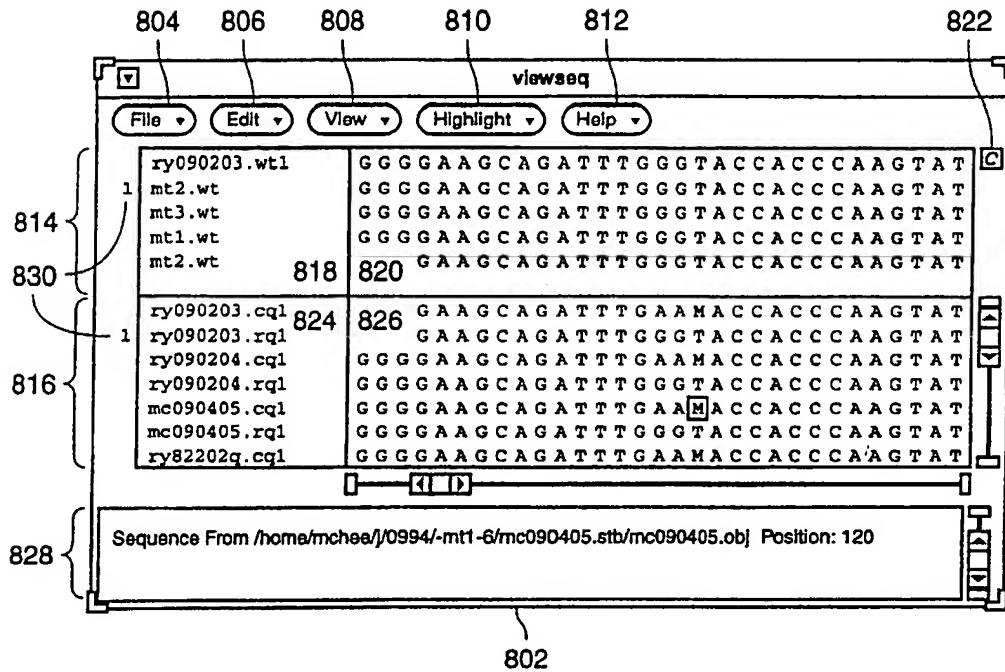


FIG. 7



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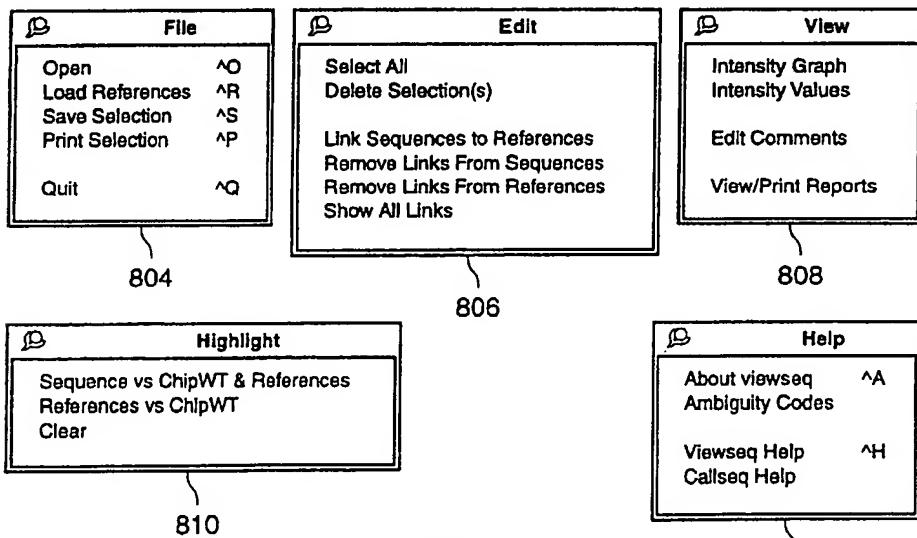


FIG. 8

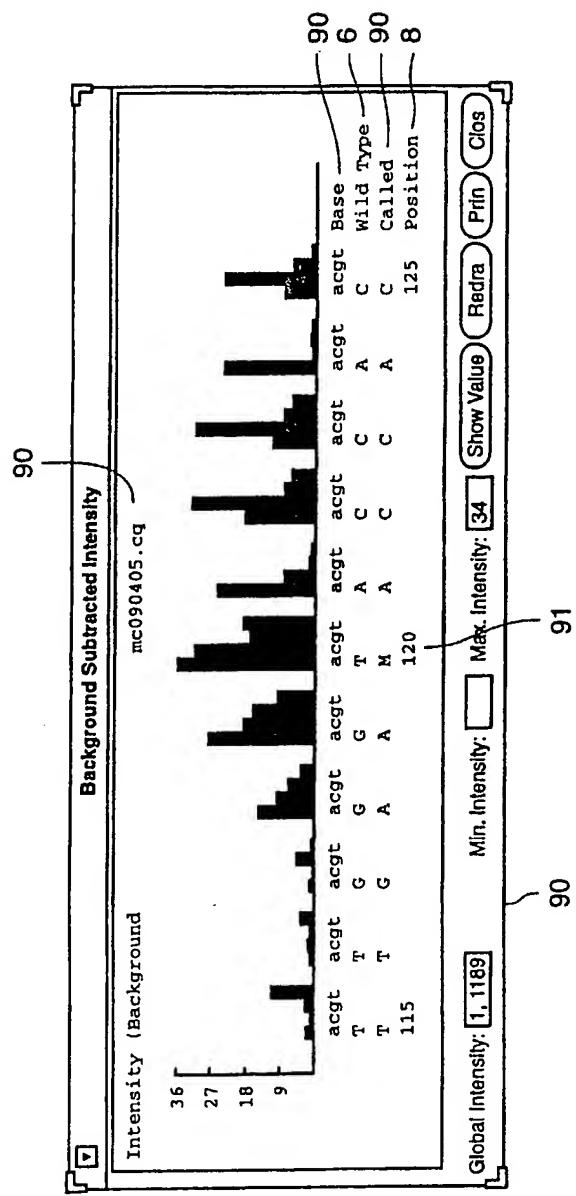
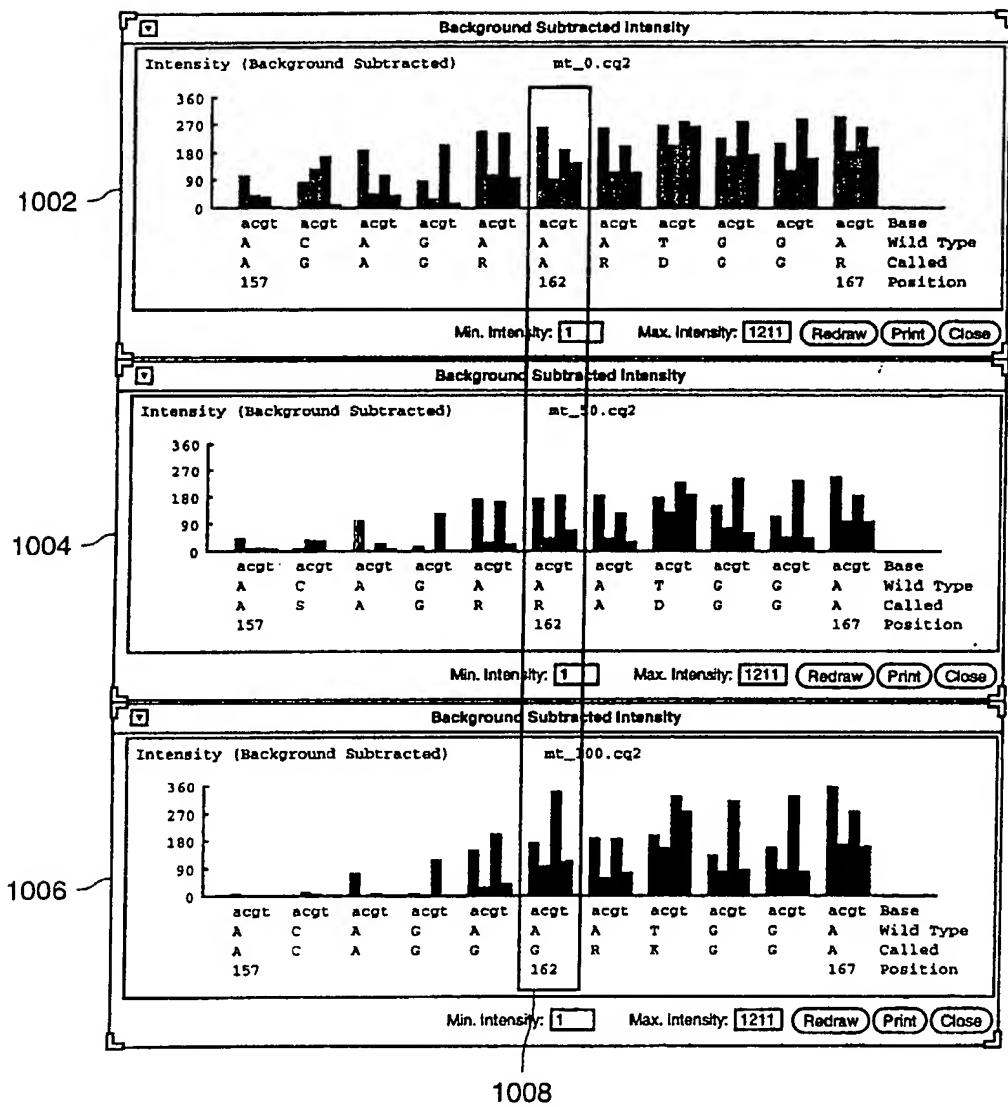


FIG. 9



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FIG. 10

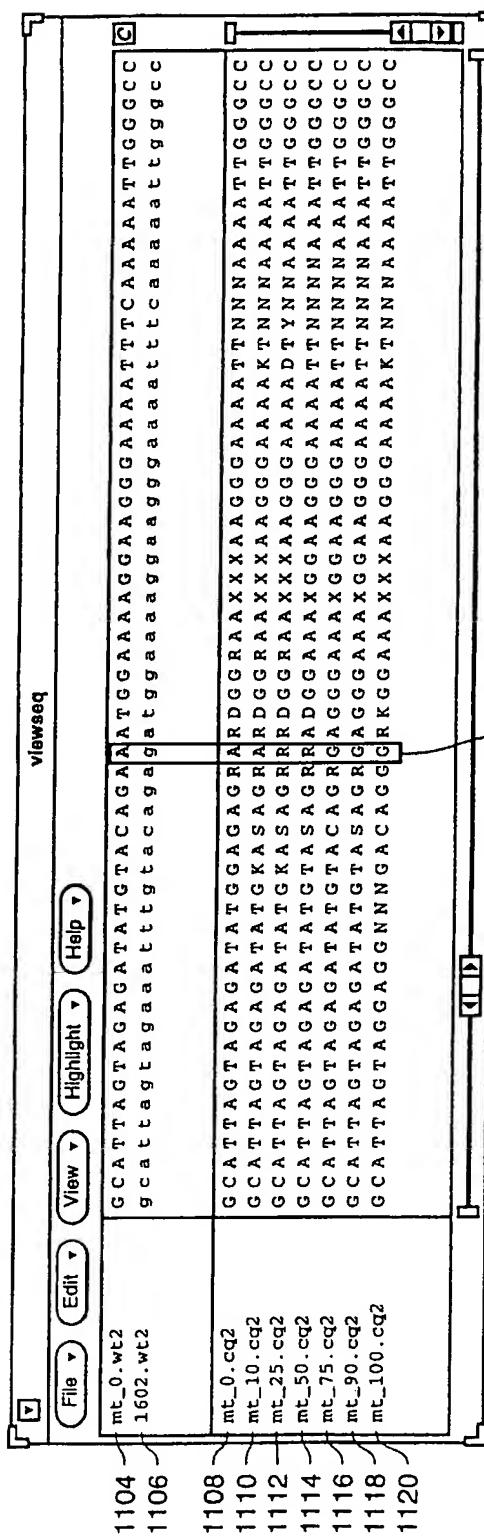
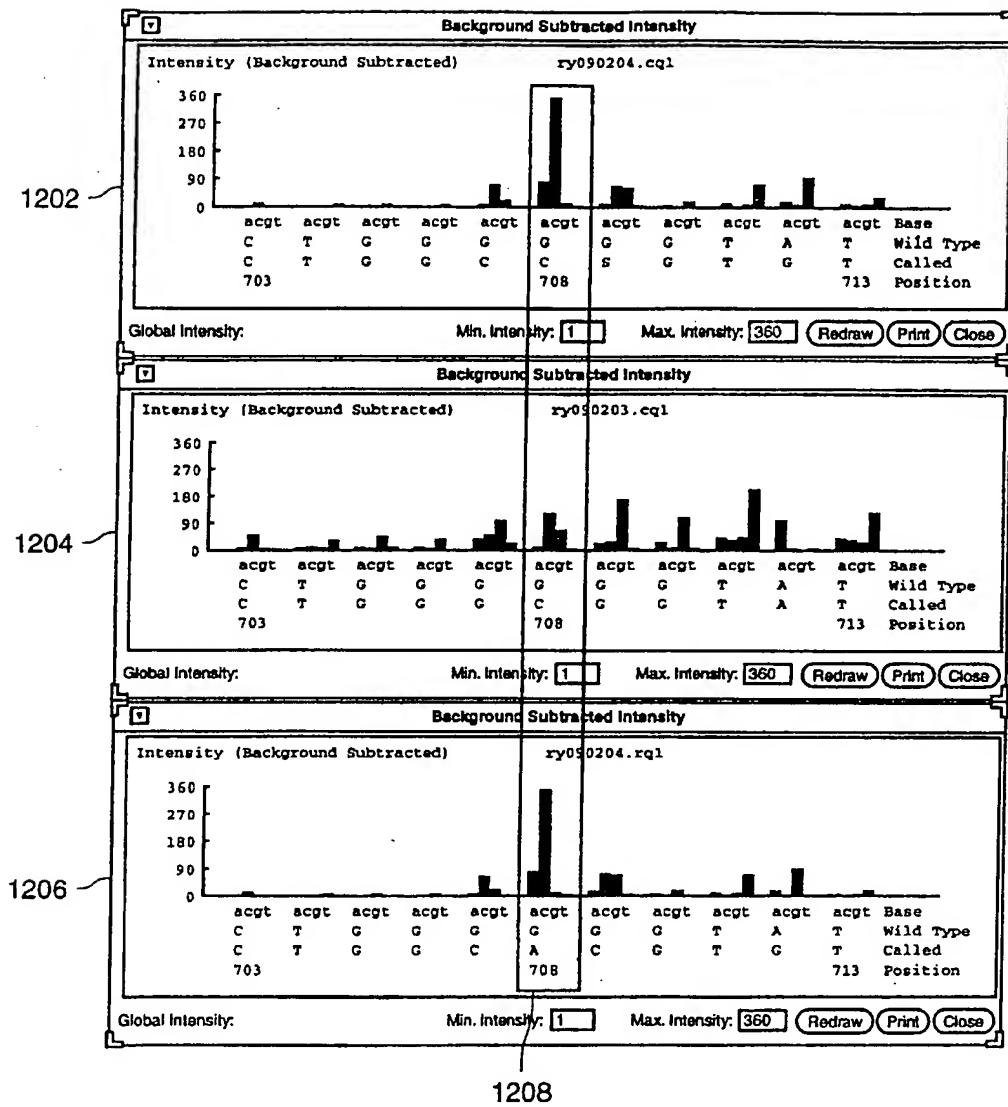


FIG. 11



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FIG. 12

FIG. 13